

WHAT IS CLAIMED IS:

1. A process for providing, at a client computer on a web page provided by a host server to the client computer, content that resides on a server that is remote from the host server and the client server over a distributed computer system, said
5 process comprising the steps of:

requesting a web page from the host server and downloading said requested web page to a client computer;

parsing said requested web page on said client computer;

in response to an instruction parsed from said requested web page, downloading executable code to said client computer from a server specified in said instruction;

executing said executable code on said client computer;

responsively to said executable code,

downloading content from said remote server to said client
15 computer; and

displaying said content on said requested web page.

2. The process as recited in claim 1, wherein said executable code is downloaded from said remote server.

3. The process as recited in claim 1, wherein said code is
20 configured to establish a connection over said distributed computer system between said client computer and said remote server and wherein said executing step includes automatically requesting predetermined said content from said remote server.

4. The process as recited in claim 1, wherein said code is configured to generate an interface between said client computer and said remote server, wherein said executing step includes establishing said interface on said requested web page, and
5 wherein said content downloaded from said remote server is based upon user requests received by said interface.

5. The process as recited in claim 4, wherein said content downloading and said displaying steps include,

forwarding at least one said user request from said client computer to said remote server,

processing said user request by said remote server,

sending a response to said user request from said remote server to said client computer, and

displaying said response to said user request on said requested web page.

6. The process as recited in claim 1, wherein said requested web page is not refreshed at said displaying step.

7. The process as recited in claim 1, wherein said executable code is a Java byte code.

8. The process as recited in claim 1, wherein said client computer establishes a Hypertext Transfer Protocol (HTTP) connection with said remote server at said content downloading step.

9. A process for querying, from a web page provided by a host server, a server remote from the host server over a distributed computer system and providing, on the web page, content that resides at the remote server, said process
5 comprising the steps of:

requesting a web page from a host server and downloading said requested web page to a client computer;

parsing said requested web page on said client computer;

in response to an instruction parsed from said requested web page, downloading an executable code to the client computer from said remote server;

executing said executable code on said client computer;

responsively to said executable code, establishing a search interface adapted to receive search requests on said requested web page;

in response to a said search request, establishing a connection over the distributed computer system between said client computer and said remote server;

20 forwarding said search request from said client computer to said remote server over said connection;

querying a database coupled to said remote server for content requested by said search request;

sending a response to said search request from said remote server to said client computer; and

25 displaying said content on said search interface.

10. The process as recited in claim 9, wherein said requested web page is not refreshed at said displaying step.

11. The process as recited in claim 9, wherein said executable code is a Java byte code.

12. The process as recited in claim 9, wherein said client computer establishes an HTTP connection with said remote server.

13. A system for displaying, at a client computer on a web page provided by a host server to the client computer, content that resides on a server that is remote from the host server and the client computer over a distributed computer system, said system comprising:

 a client computer;

 a host server configured to communicate with said client computer over the distributed computer system, said host server having a web page residing thereon;

10 a remote server configured to communicate with said client computer over said distributed computer system;

 data coupled to said remote server;

 a browser at said client computer configured to request, receive and parse said web page;

15 first computer program code residing or encapsulated within said web page, said first code being configured to establish, upon execution of said first code by said browser, a

communication connection over said distributed computer system
between said browser and said remote server and to request the
20 content; and

second computer program code residing at said remote
server, said second code being configured to receive said
content request from said first code through said connection, to
obtain the content from said data responsive thereto and to
25 forward the content to said browser,

wherein said first code is configured to display the
content received from said second code on said web page.

14. The system as recited in claim 13, wherein said first
code is encapsulated within said web page by instruction code
residing at said web page, and wherein said instruction code is
configured to establish a communication connection with said
remote server and to request said first code from said remote
server.

15. The system as recited in claim 13, wherein said first
code is configured to establish a connection over said
distributed computer system between said client computer and
10 said remote server and to request predetermined said content
from said remote server.

16. The system as recited in claim 13, wherein said first
code is configured to generate an interface between said client

computer and said remote server and to request said content based upon user requests received by said interface.

5 17. The system as recited in claim 16,

wherein said first code is configured to forward at least one said user request from said client computer to said remote server,

10 wherein said second code is configured to process said user request and to send said content from said remote server to said client computer, and

wherein said first code is configured to display said content on said requested web page.

18. A process for providing, at a client server on a web page provided by a host server to the client computer, content that resides on a server that is remote from the host server and the client server over a distributed computer system, said process comprising the steps of:

providing an executable code identifiable by an instruction code embedded in said web page;

10 responsively to downloading of said web page to said client computer, parsing of said instruction by said client computer, and execution of said executable code by said client computer, receiving at said remote server a request from said client computer for said content;

downloading said content from said remote server to said client computer for display by said executable code on said web
15 page.

19. The process as in claim 18, including, following said providing step and prior to said receiving step, downloading said executable code from said remote server to said client computer.

20. The process as in claim 18, wherein said executable code is a Java byte code.

21. The process as in claim 18, wherein said downloading step includes downloading said content over an HTTP connection between said remote server and said client computer.

2019 RELEASE UNDER E.O. 14176